

QMS 3825 Print System



The QMS 3825 Departmental Print System

High-speed document processing and printing, sophisticated networking, and advanced document handling make the QMS® 3825 Print System an ideal choice for the rigorous demands of departmental printing.

The QMS 3825 combines QMS Crown® multitasking technology and a 40 MHz RISC processor for sustained operation at its rated 38 ppm print speed. The printer offers true 600 x 600 dpi output resolution on up to full ledger 11" x 17" / A3 paper sizes for production of high quality text and graphics output.

In addition to standard serial, parallel and LocalTalk™ interfaces, the QMS 3825 provides an optional interface slot for direct connection to Ethernet® and Token-Ring

networks. Among its advanced network connectivity features are simultaneous interfacing, emulation sensing, and QMS CrownNet™ simultaneous network protocol processing and remote management capabilities.

Standard PostScript® Level 2 and Level 1, DEC LN03 Plus, HP PCL® 5, HP-GL® 7475 / 7550A, imPRESS™ line printer and optional QUIC™ II emulations are available for increased application flexibility.

The printer also includes a Software Loadable System which allows for easy, cost-effective addition of system enhancements and upgrades.

The QMS 3825 Print System. The right solution for all your departmental printing needs.



Printers for Professionals.

QMS 3825 Print System Specifications

Features and Benefits

- Combines an IDT 3081E RISC-based controller and QMS Crown multitasking technology for high-speed document processing and printing.
- 600 x 600 dpi resolution on up to 11" x 17" / A3 paper sizes for production of high-quality text and graphics.
- Standard and optional interfaces compatible with PCs, Macintosh® computers, UNIX® work stations, IBM® mainframes, and virtually any network environment.
- Extensive emulation support, including PostScript Level 2 and Level 1, HP PCL® 5 with GL/2, and HP-GL® 7474/7550A.
- Emulation Sensing Processor (ESP) technology analyzes incoming data streams from the printer's interfaces and selects the appropriate language from those installed on the printer.
- Job accounting for UNIX environments allows system administrators to track jobs sent to the printer and receive detailed information on each job.
- Document handling features include page layout (number-up), booklet, and the background printing.
- Optional duplex and tumble duplex capabilities.
- Selectable offset stacking of printed output.
- Simultaneous Interface Operation (SIO) allows the printer's standard and optional interfaces to receive data simultaneously.
- Software Loadable System allows convenient addition of new capabilities and enhancements.

Technical Specifications

PRINT ENGINE

- **Print Method** – Electrophotographic recording with semiconductor laser. Dry toner, image transfer to paper.
- **Resolution** – 600 x 600 dpi or 300 x 300 dpi; selectable through the printer's keypad or via software commands.
- **Print Speed** – 38 pages per minute.
- **Warm-up Time** – Less than 120 seconds.
- **Recommended Duty Cycle** – 200,000 prints per month.

CONTROLLER

- **Type** – IDT 3081E RISC processor operating at 40 MHz and using QMS Crown advanced document processing technology.
- **Memory** – 32 MB RAM, 4 MB ROM standard.
- **Floppy Drive** – 1.44 MB, 3.5 inch floppy drive allows users to download fonts, emulations, and system upgrades into printer's RAM, the internal hard drive, or onto optional hard drives.
- **Standard Internal 270 MB Hard Drive** – For local or remote loading of printer software.
- **External Hard Drives (optional)** – Supports up to six external hard drives for permanent storage of downloadable typefaces and emulations.
- **Printer Emulations** – PostScript Level 1 and Level 2, HP PCL Level 5, HP-GL 7475A/7550A/7470/ColorPro, Line Printer, LN03™ Plus, and imPRESS™. QUIC™ II emulation is available as an option.
- **Graphics** – Up to full ledger/A3-size bitmapped page (both sides if duplexing is installed).
- **Typefaces** – 39 resident typefaces for PostScript language printing. Adobe's PostScript Type 1 downloadable typefaces are supported. All typefaces have multilingual character sets. PCL 5 fonts compatible with the standard fonts on the HP LaserJet® III/IIi also are included on the QMS 3825 Print System.

INTERFACES

- **Standard Interfaces** – LocalTalk, RS-232C serial, and a parallel interface configurable as either Centronics® or Dataproducts® short line parallel.
- **Simultaneous Interface Operation** – Allows all of the printer's interfaces to receive data simultaneously.
- **Optional Interfaces** – Provide direct network connectivity. The QMS CrownNet card for Ethernet® networks concurrently supports NetWare®, AppleTalk® (EtherTalk®), TCP/IP, and LAN Manager/LAN Server (NetBIOS/NetBEUI) protocols; and for Token-Ring networks supports NetWare, TCP/IP, and LAN Manager/LAN Server (NetBIOS/NetBEUI) protocols concurrently. A concurrent DECnet®-TCP/IP interface also is available.

PAPER HANDLING

- **Paper Sizes Supported** – Letter, legal, ledger, A3, A4, A5, B4, B5, and executive.
- **Printable Area** – Actual maximum print area for all page sizes is 8 mm in from all edges.
- **Special Stocks** – Printer can handle approved transparency film and recycled paper in letter, legal, ledger, A4, A3, and B5 sizes.
- **Paper Weights** – 18 to 24 lbs. (68 to 90 g/m²).
- **Paper Input** – Cut-sheet paper or transparency film from two cassettes (250 sheets each) for a total of 500 sheets.
- **Paper Output** – 1,500 sheets standard, face down; offset stacking is supported.
- **Automatic Jam Recovery** – Printer automatically reprints jammed pages.
- **Advanced Paper Handling Option** – Includes a duplexing unit, a 1,000-sheet feeder and a system table. An optional 2500-sheet feeder (letter/A4 to ledger/A3) and 2750-sheet output stacker are available.

PHYSICAL

- **Type** – Laser printer with internal controller.
- **Dimensions** – (W x D x H) 37.4" x 25.8" x 29.5" (950 mm x 645 mm x 750 mm) With advanced paper handling option: 37.4" x 25.8" x 49.6" (950 mm x 645 mm x 1260 mm)
- **Weight** – 187 lbs. (85 kg). With advanced paper handling option: 330 lbs. (150 kg).

ELECTRICAL

- **Power Requirements** – 110 VAC, 47 to 63 Hz. 220 VAC, 47 to 53 Hz.
- **Power Consumption** – 100V: 1,400 WATTS @ 12 amps 200V: 1,400 WATTS @ 7 amps

ENVIRONMENT

- **Temperature Requirements** – Operating: 50° to 90° F (10° to 32° C) Storage: -4° to 131° F (-20° to 55° C)
- **Humidity** – 20% to 80% RH (operating).

REGULATORY/SAFETY CONFORMITY

- FCC-A, TUV/GS, UL, CSA, VFG 1046, VDE 0871, IEC 801-3, and IEC 801-4.

Resident Typefaces

Courier*
Helvetica*
Helvetica Condensed
Helvetica Narrow*
ITC Avant Garde Gothic® Book*
ITC Bookman® Light*
ITC Zapf Chancery® Medium Italic
⌘:■⌘*⌘▲ (ITC Zapf Dingbats®)
New Century Schoolbook*
Palatino**
Συμβολ (Symbol Set)
Times**

*Includes Regular, Italic, Bold, and Bold Italic type styles.

Specifications subject to change without notification.



Printers for Professionals.

QMS, Inc. (USA)

One Magnum Pass
Mobile, AL 36618
Tel: +1 (334) 633 4300
Fax: +1 (334) 633 4866

Product Information:

+1 (800) 523-2696

Supplies and Accessories:

+1 (800) 777-7782

Internet:

<http://www.qms.com/>

Latin America

Fax: +1 (334) 639 3347

INTERNATIONAL

Canada - Montreal

Tel: +1 (514) 333 9543

Fax: +1 (514) 333 5949

Canada - Toronto

Tel: +1 (905) 206 0848

Fax: +1 (905) 206 0903

For sales in Europe, Middle East, Australia, New Zealand, Africa, India

Tel: + (31) 3465 51333

Fax: + (31) 3465 50170

For sales in Japan

Tel: + (81) 3 5421 4130

Fax: + (81) 3 5421 4160



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